

Large-Part Blow Molding Product Summary Sheet

polyethylene

Grade	Type	End-Use Application	Density	HLMI	ESCR ⁽²⁾	Flexural Modulus		Tensile Strength ⁽³⁾		Elongation	Izod Impact ⁽⁴⁾	
			STM ⁽¹⁾ D 792	ASTM D 1238	ASTM D 1693	ASTM D 790	psi	ASTM D 638	ASTM D 638	ASTM D 638	ASTM D 256	J/cm
			g/cm ³	g/10 min	F _{50, h}	MPa	psi	MPa	psi	%		
NOVAPOL® HB-W355-A	HDPE	High impact grade for parts requiring increased toughness	0.955	3.0	>500	1,380	200000	28	4100	820	7.8	14.5
NOVAPOL HB-W555-A	HDPE	Excellent rigidity, impact strength and ESCR for large-part applications such as drums	0.955	5.0	>500	1,400	205000	28	4100	830	7.2	13.5
NOVAPOL HB-W555-AC	HDPE	For clean drum applications	0.955	5.0	>500	1,400	205000	28	4100	830	7.2	13.5
NOVAPOL HB-W555-EC	HDPE	High purity chemical packaging, high performance packaging for food and flavours	0.955	5.0	>500	1,400	205000	28	4100	830	7.2	13.5
NOVAPOL HB-W646-U	HDPE	Intermediate bulk containers (IBCs), agricultural tanks/containers, shipping containers/drums, marine fuel tanks, jerry cans	0.946	6.0	>1000	1,100	159540	24	3480	840	4.0	8.0
NOVAPOL HB-W747-A	HDPE	For fuel tanks and jerry cans	0.946	8.5	>1000	1,200	174000	23	3400	830	4.0	7.4
NOVAPOL HB-W952-A	HDPE	General purpose large-part blow molding for jerry cans, trash cans, fuel tanks, etc.	0.952	10.0	>1000	1,280	185000	25	3600	820	3.9	7.2
NOVAPOL HE-W959-A	HDPE	For extrusion and thermoforming	0.959	11.0	--	1,300	188500	30	4400	1100	6.8	12.7

Properties designated have been determined using methods which are in accordance with or substantially in accordance with the specified testing standards.

- (1) Condition 190/21.6.
- (2) Condition A.
- (3) Tested at 50 mm (2 in.)/min.
- (4) 3.2 mm (0.125 in.) thick specimen.

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